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No. 49] NEW DELHI, SATURDAY, DECEMBER 8, 1979 (AGRAHAYANA 17, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE, PATENTS & DESIGNS

Calcutta, the 8th December 1979

CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 17th November 1979 under heading Patents sealed delete 145858.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

2nd November, 1979

1141/Cal/79. Diamond Shamrock Corporation. Stack pack electrolytic cell.

1142/Cal/79. Barr & Stroud Limited. Fire control system. (November 2, 1978)

1143/Cal/79. Pacific Metals Co., Ltd. Direct method for production of high-grade, high-purity ferromanganese.

1144/Cal/79. Fuji Latex Company Limited. An improved intrauterine device. [Divisional date December 18, 1978].

1145/Cal/79. Institut Tekhnicheskoi Teplofiziki Akademii Ukrainskoi SSR and Opytne Konstruktorsko-Tekhnologicheskoe B juro Instituta Tekhnicheskogo Teplofiziki Akademii Nauk Ukrainskoi SSR. Method for drying silkworm cocoons.

1146/Cal/79. Biman Kumar Pathak. Mechanical system of utilizing lost kinetic energy in forced retardation.

3rd November, 1979

1147/Cal/79. Gulf Oil Corporation. Coal liquefaction process employing internal heat transfer.

1148/Cal/79. Gulf Oil Corporation. Coal liquefaction process utilizing selective heat addition.

1149/Cal/79. American Can Company. Continuous process for cellulose saccharification.

5th November, 1979

1150/Cal/79. The Jacobs Manufacturing Company. Engine braking system.

1151/Cal/79. Gulf Oil Corporation. Integrated coal liquefaction-gasification-naptha reforming process.

1152/Cal/79. Gulf Oil Corporation. Coal liquefaction-gasification process including reforming of naptha product.

6th November, 1979

1153/Cal/79. American Home Products Corporation. Urea derivatives. (December 20, 1978).

1154/Cal/79. Gulf Oil Corporation. Coal liquefaction process with improved slurry recycle system.

1155/Cal/79. Gulf Oil Corporation. Coal liquefaction process employing extraneous minerals.

1156/Cal/79. Hunt & Moscrop (Textile Machinery) Limited. Improvements in textile fabric or paper shrinking machines.

1157/Cal/79. Metallgesellschaft Aktiengesellschaft and Vereinigte Aluminium-Werke AG. Process of producing hydrogen fluoride.

1158/Cal/79. Klein, Schanzlin & Becker Aktiengesellschaft. Underwater pump.

(695)

APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)

9th October, 1979

- 711/DEL/79. Produits Chimiques Ugine Kuhlmann, "Apparatus for Recovering the Gases Formed during the Electrolysis of Alkali Chlorides".
- 712/DEL/79. Empresa Nacional Del Aluminio, S.A.—(ENDASA), "System for Generating and Autocontrolling the Voltage or Current Wave form Applicable to Processes for the Electrolytic Colouring of Anodized Aluminium".
- 713/DEL/79. UOP INC., "Improvements in and Relating to Armrest Assemblies" (November 1, 1978).
- 714/DEL/79. Chandrakant Maganlal Shah, "An A.C. Operated Electrical Appliance and an Electrical Accessory for use in an A.C. Operated Electrical Appliance".

10th October, 1979

- 715/DEL/79. Fletcher Sutcliffe Wild Limited, "Mine Roof Supports". (October 14, 1978).
- 716/DEL/79. Cannon Corp., "Dynamic Loading Correcting Device".

12th October, 1979

- 717/DEL/79. The Tea Research Foundation of C. Africa, "Apparatus and Method for Tea Fermentation".
- 718/DEL/79. S.R.M. Hydromekanik Aktiebolag, "Multiple Disc Clutch". (November 6, 1978).

APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)

29th October, 1979

- 190/Mas/79. Lucas Industries Ltd. Fluid Level Indicating Devices. (November 1, 1978).
- 191/Mas/79. Lucas Industries Ltd. Master Cylinder Assemblies. (November 2, 1978).
- 192/Mas/79. Lucas Industries Ltd. Servo Booster Assembly. (November 2, 1978).
- 193/Mas/79. Lucas Industries Ltd. Disc Brakes. (November 6, 1978).
- 194/Mas/79. Lucas Industries Ltd. Switch Arrangements (November 1, 1978).
- 195/Mas/79. G.V.S. Rao and L. Sathyanarayana. Suitcase cum cot brief case cum cot.

3rd November, 1979

- 196/Mas/79. M. Verghese. Improved Fuel Oil Burner.

ALTERATION OF DATE

147187

146/Bom/79.

Ante-dated to 20th May 1977.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government

of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 133A & 206E

147165.

Int. Cl.-G01p 3/00.

A SPEED MEASURING UNIT.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DEVALRAJU SREE MAHA VISHNU, RANGA SRINIVASA VARADHAN AND MADHIRA KRISHNAMURTHY.

Application No. 367/Del/77 filed November 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims

A speed measuring unit, for turbines as for example, comprising an input circuit adapted to receive a signal proportional to the error or difference between the actual speed and a reference speed, a first and a second current source circuits provided between a comparator circuit and the said input circuit, a third current source circuit connected to the output of the comparator circuit, a sample and hold circuit connected to the output side of the third current source circuit, a summer connected to the sample and hold circuit and reference setting means connected to the summer.

CLASS 107B & 107G.

147166.

Int. Cl. F02b 41/00 & 37/02.

A DEVICE FOR UTILIZATION OF HEAT ENERGY
FROM THE WASTE EXHAUST GASES.

Applicant & Inventor : THIRUVENGADASWAMY VENKATACHALAM, 12-A, MARKET FEEDERS ROAD, RANIPET, NORTH ARCOT DISTRICT, TAMIL NADU.

Application No. 220/Mas/76 filed November 18, 1976.

Complete Specification left. November 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A device for utilization of heat energy of waste exhaust gases of internal or external combustion engines, industrial flue gases or the likes comprising, in combination, of a tank containing a low boiling point liquid, a boiler enveloped in a casing, a first conduit means for admitting the said liquid into said boiler, a second conduit means for allowing hot exhaust gases to enter into said boiler casing thereby generating high pressure vapour of said liquid within said boiler, an outlet means provided in the said boiler casing for letting out said exhaust gas, a third conduit means to introduce said high pressure vapour from the boiler into a prime mover or an internal combustion engine having cylinders provided with a pair of inlets and outlets in order to drive said prime mover in a manner known per se or to run said internal combustion engine in a manner such as hereinbefore described, a condenser means for condensing the unused vapor escaped out from the said prime mover of said internal combustion engine, and a means for cycling the thus condensed vapour into the said tank.

CLASS 32 F 3c

147167

I.C. C07c 20/00, 33/00.

PREPARATION OF CITRONELLOL

Applicants : HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE 165-166, BACKBAY RECLAMATION BOMBAY-400 020. MAHARASHTRA INDIA.

Inventor : VINCENT PAUL.

Application No. 151/Bom/77 Filed on April 28, 1977
Complete Specification left March 28, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Bombay.

9 Claims

1. A process for the preparation of citronellol wherein geraniol, nerol or a geraniol/nerol mixture is selectively hydrogenated over a Raney nickel catalyst in the presence of alkali metal ions or alkaline earth metal ions.

Complete specn 7 pages, 1 drawingsheet,
Provisional specn 6 pages, 1 drawing sheet.

Class 107H.

147168

Int. Cl.-F02m 37/12.

TIMING CONTROL FOR FUEL INJECTION PUMP.

Applicant : STANADYNE, INC., OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : JOSEPH EDWARD SWIFT.

Application No. 685/Cal/77 filed May 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

In a fuel injection pump for an internal combustion engine, pump plunger means providing sequential pumping strokes, means for changing the timing of the pumping strokes comprising a cylinder, an advance piston movable in said cylinder, means interconnecting said advance piston with said pump plunger means to advance and to retard the relative timing of the pumping strokes, a source of fluid having a pressure correlated with engine speed providing a speed related pressure, a hydraulic chamber at one end of said piston connected to said source of fluid under pressure to move the advance piston to advance the timing of the pumping strokes in response to increased engine speed, first means for controlling the delivery of fluid from said source to said hydraulic chamber, said first means including means for preventing the delivery of fluid from said source to said hydraulic chamber until a predetermined speed is reached, and second means for controlling the delivery of fluid from said source to said hydraulic chamber, said second means by passing said first means to deliver fluid from said source to said hydraulic chamber during the starting of the engine thereby to advance the timing of the pumping strokes.

Comp. Specn. 11 Pages.

Drg. 1 Sheet

CLASS 42C.

147169

I.C. A24f 1/00.

"ELECTRIC HOOKAH OR TOBACCO BOWLS FOR HOOKAH".

Applicant & Inventor : DR. PRAVINCHANDRA DAHYA-BHAI PATEL, D/75, UNIVERSITY STAFF COLONY, P.O. VALLABH VIDYANAGAR, DIST. KAIRA, TAL. ANAND-388 120, INDIA.

Application No. 144/Bom/77 filed on 20th April, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

An improved electrical Hookah or tobacco bowls for hookah comprising an ordinary bowl of well burnt clay in which is wound a coil of electrical heating element insulated

by porcelain beads which heat the tobacco pallet placed in the cylindrical hole provided around the axis of the bowl, the said heating element being connected to an electrical socket attached to the outer surface of the bowl.

Complete specification : 5 pages

Drawing sheets : 2.

CLASS 107G.

147170.

Int. Cl.-F02d 13/08.

A DEVICE FOR SAVING FUEL OF A VEHICLE MOVING DOWNWARDS.

Applicant & Inventor : THIRUVENGADASWAMY VENKATACHALAM, 12-A, MARKET FLEDER ROAD, RANIPET, NORTH ARCOT DISTRICT, TAMIL NADU.

Application No. 57/Mas/77 filed March 21, 1977.

Complete Specification left November 16, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A device for saving fuel of a vehicle moving downwards, consisting of an automatic disengaging means for disengaging the engine shaft of the vehicle from the propelling shaft as soon as the rotational speed of the propelling shaft becomes higher than that of the engine shaft comprising a rotor provided with a plurality of helical cuts at the edge thereof, said rotor being concentrically mounted on the engine shaft and being encased within a drum housing which, in turn, is rigidly and concentrically mounted on the propelling shaft, a set of rollers being provided within the space between the profile of the said rotor and inner contour of said drum housing in such a manner as to unlock the said rotor from the said drum housing when the rotational speed of the propelling shaft is higher than that of the engine shaft and vice-versa; a second means for establishing, whenever necessary, engagement between the engine shaft and the propelling shaft to override the disengagement caused by said automatic disengaging means comprising a cylinder concentrically fitted on the engine shaft in such a manner as not to rotate with the engine shaft, said cylinder being provided with an opening to let in or out a hydraulic fluid, said cylinder being further provided with a hydraulically actuated piston which is hydraulically connected to a pair of brake shoes or plates adapted to engage (or disengage) a drum housing by actuating the said piston, said brake shoes or plates being connected to an arrangement rigidly mounted on the engine shaft thereby enabling the drive of the engine shaft to be transmitted to the said drum housing which, in turn, is rigidly and concentrically mounted on the propelling shaft, and if desired a third means for automatically bringing down the fuel supply to the engine to an idling level whenever the engine shaft is disengaged from the propelling shaft.

(Prov.—7 pages; Com.—18 pages; Drwgs.—three sheets)

CLASS 57D

147171

Int. Cl. E05f 11/04 & 11/54

IMPROVED DOOR CLOSER.

Applicant & Inventor : VAITHYALINGAM MANICKAM, 196, 3RD CROSS, CAMBRIDGE LAYOUT, ULSOOR, BANGALORE-56008, KARNATAKA STATE.

Application No. 100/Mas/77 filed June 4, 1977.

Complete Specification left September 1, 1978.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972,) Patent Office, Madras Branch.

3 Claims

An improve door closer, comprising a weight suspended by means of a cord, inside a primary tube that is fixed vertically to the door, the said primary tube being connected to a secondary tube (running along its side) by three appropriately located ports (one near the top end and another at the bottom end and the third in between the two), a throttle valve being incorporated in the top port and a sleeve valve in the secondary tube registering against the mid port, the system thus formed by the two tubes being completely filled

with hydraulic fluid, and the weight being a slide fit in the primary tube; the cord carrying the said weight, passing over a vertical pulley fixed on the top of the primary tube, and then passing behind a horizontal pulley fixed to the door frame and being finally secured to one end of a plunger rod which works horizontally in bracket fixed to the door frame; the entire arrangement being such that the door closes under the action of the descending weight; the said weight displacing the fluid below it to the space above it through the top port in the first lap, controlled by the throttle valve, and through the mid port in the second lap, controlled by the sleeve valve. the gentleness in the first lap and the swiftness in the second lap of the closing of the door being dependent on the setting of the throttle and sleeve valves respectively, and the swiftness in the second lap being adequate to negotiate the spring latch of the door into locking position; and on pushing the door for opening it the weight ascends displacing the fluid from above it, to the space below it, unhampered through the ports and secondary tube, the cord being under tension holding the brake in released position, and thus allowing the hinged link mechanism to freely unfold, letting the door open.

(Prov.—2 pages; Com.—7 pages; Drawg.—two sheets)

CLASS 5C. 147172.
Int. Cl. A01g 19/04.

AN IMPLEMENT TO AID THE CLIMBING OF TALL TREES.

Applicant & Inventor: MUTHUKULATHI. JOSEPH. PURANJAN, CHEMPERI POST, CANNANORE DISTRICT, KERALA STATE INDIA. PIN. 670 632.

Application No. 138/Mas/77 filed August 19, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

An implement to aid the climbing of tall trees such as coconut trees or palm trees comprising a pair of identical metallic loops, each loop having a main loop and sub loop, the top of the main loop being bent forward to form a handle and having attached there to a circular rubber belt terminating in hooks and provided with slings, the two limbs of the main loop being interconnected by a base cross plate and a middle cross plate, the sub loop having a broad base plate and terminating in means for attaching a flexible cord which extends up to and passes through the slip rings provided in the rubber belt, the arrangement being such that the adjustment of the flexible cord enables the rubber belt to open or close.

(Com.—4 pages; Drawg.—one sheet)

CLASS 14A² 147173
Int. Cl. H01m 43/04.

A METHOD OF MANUFACTURE OF AN ALKALINE BATTERY.

Applicant: INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600036, TAMIL NADU.

Inventor: DR. AYYAGARI PRABHAKARA RAO.

Application No. 147/Mas/76 filed 5, 1976.

Complete Specification left November 5, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims No drawings.

A method of manufacture of an alkaline battery consisting of positive and negative electrodes of which the positive and negative active mass is prepared by obtaining the hydroxide precipitate such as herein described characterised by grinding the said hydroxide precipitate and pure graphite to fine powder preferably less than 5 micron size and binding the said ground hydroxide precipitate together with the said ground graphite with a binder, such as, glycerol tristearate.

(Prov.—6 pages; Com.—8 pages)

CLASS 126-A. 147174.
Int. Cl.-G01n 27/00, 33/00.

A DEVICE FOR DETECTING THE PRESENCE OF A COMBUSTIBLE AND REDUCING GASES.

Name of Applicant: MOHANLAL RAVJIBHAI PATEL, 22-A, NEW JAGANATH PLOT, INDIRA, RAJKOT-360 001, STATE OF GUJARAT, INDIA.

Application No. 178/Bom/1978 filed June 13, 1978.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A device for detecting the presence of a combustible and reducing gases, comprising in combination (a) a power supply source supplying a half-wave low current stabilised power supply as well as a smoothened and regulated direct current supply; (b) a primary detector whose resistance is lowered in the presence of a combustible or reducing gas, connected to the power supply source; (c) a first voltage comparator connected to the primary detector wherein the output of the primary detector is compared against a reference voltage and adapted to the triggered into conducting a higher voltage when the said primary detector starts conducting; (d) light emitting diodes connected through a normally conducting transistor connected to the said first voltage comparator through a multivibrator adapted to blink when the primary detector starts conducting; (e) a second voltage comparator connected to the said first voltage comparator and across a charging capacitor; said second voltage comparator adapted to conduct higher voltage when triggered by the said first voltage comparator; (f) a potentiometer and charging capacitor connected across the output of said first voltage comparator introducing a time delay factor in the triggering of the said second voltage comparator by the said first voltage comparator; (g) and alarm system connected to the output of the said second voltage comparator adapted to be triggered when the said first and second voltage comparator's output goes high; (h) a circuit for indicating a fault in the primary detector connected between the said primary detector and the said alarm system.

Complete Specification: 9 pages and 5 drawing sheets.

CLASS 136C. 147175.
Int. Cl.-B29t 1/06.

IMPROVEMENTS IN OR RELATING TO A SCREW EXTRUDER HAVING A SCREW CASING CONNECTED TO A BED.

Applicant: SOCIETE NATIONALE DES POUDES ET EXPLOSIFS, OF 12, QUAI HENRI IV-75181 PARIS CEDEX 04, FRANCE.

Inventors: PICARD JACQUES, SAUNIER MARC, AND TRANCHANT JEAN.

Application No. 1634/Cal/76 filed September 6, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A screw extruder having a screw casing connected to a bed, the casing comprising two portions connected together, by connecting elements, along a joint surface passing substantially through the longitudinal axis of the casing, at least one casing portion being articulated with respect to the bed about an axis which is substantially parallel to said joint surface and perpendicular to said casing axis and the connecting elements being adapted to release the connection between the casing portions, in use at a predetermined casing pressure, to allow said at least one casing portion to articulate to thereby open said casing.

Comp. Specn. 20 Pages.

Drg. 2 Sheets.

CLASS 107H. 147176
Int. Cl.-F01n 5/00, F02b 33/42.

GASDYNAMIC PRESSURE WAVE MACHINE, INTENDED AS A SUPERCHARGER UNIT FOR AN INTERNAL COMBUSTION ENGINE.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF BADEN, SWITZERLAND.

Inventors : NICOLAUS CROES, DR. HANSULRICH HORLER AND HUBERT KIRCHHOFFER.

Application No. 1560/Cal/76 filed August 25, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A gasdynamic pressure wave machine intended as a super-charger unit for an internal combustion engine, and consisting substantially of a rotor provided with cells, a middle housing portion, two side housing portions, one side portion of which comprises at least one high pressure feed duct for the hot high energy engine exhaust gas, and at least one low pressure discharge duct for the expanded low energy exhaust gas, and the other side portion of which comprises at least one low pressure feed duct for the combustion air to be compressed, and at least one high pressure discharge duct for the compressed combustion air, and in at least one side portion, a pocket open towards the rotor in a web between a feed duct and a discharge duct, and openings, the cross-sectional areas of which are dimensioned as a function of engine horsepower to conduct into said pocket fluid or gas quantities of an amount assuring the proper working of the engine without influence the expansion and compression process in the cells.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS 68E.

147177.

Int. Cl.-G05f 1/00.

A STRATING RELAY ARRANGEMENT.

Applicant : THE GENERAL ELECTRIC COMPANY LIMITED, OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

Inventor : ANTHONY WILLIAMS.

Application No. 2030/Cal/76 filed November 11, 1976.

Convention date November 14, 1975/(47083/75) U.K.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A starting relay arrangement for use in a power transmission protection system, and including means for detecting unbalanced faults, said means comprising (a) a plurality of phase detection means coupled to the power transmission lines, each said phase detection means being responsive to the phase angle between, on one hand the voltage between a respective pair of said lines and on the other hand the vector difference of current in the said pair of lines, each said phase detection means being further responsive to the value of said phase angle in excess of a predetermined value to give a fault signal; (b) voltage detection means coupled to respective pairs of said lines and responsive to line-to-line voltages below a threshold value to give a fault signal, said threshold value being the minimum value of line-to-line voltage at which a value of said phase angle in excess of said predetermined value can occur, and (c) fault output means connected to said phase detection means and to said voltage detection means to give a fault indication in response to either said fault signal.

Comp. Specn. 27 Pages.

Drg. 5 Sheets.

CLASS 163D.

147178.

Int. Cl.-F64d 1/00.

BLADE FOR ROTOR OR ROTARY PUMPS.

Applicant : KLEIN, SCHANZLIN & BECKER AKTIENGESellschaft, OF 6710, FRANKENTHAL (PEALZ) POSTFACH 224, JOHANN-WILN-STRASSE 9.

Inventors : KARI-HEINZ BECKER, HANS-DIETER KNOPFEL, ALEXANDER NICKLAS, PETER HIRCH AND ENGINE DILER.

Application No. 502/Cal/77 filed April 4, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A blade for the rotor of a rotary pump of the types referred to characterised in that the edge of the blade on the low pressure said from its tip is formed as a straight line or has a curvature of large radius and makes an angle of 0 to 5 degrees in the direction of the periphery of the rotor and the length of the straight line or curved part of the edge of the blade lies between a minimum value of three millimeters and the length of the spacing between the blades.

Comp. Specn. 6 Pages.

Drg. 1 Sheet.

CLASS 157Dc.

147179.

Int. Cl.-F01b 9/30.

A RAILWAY RAIL-FASTENING CLIP AND A RAILWAY RAIL-AND-FASTENING ASSEMBLY EMPLOYING IT.

Applicant : PANDROL LIMITED, OF 9, HOIBORN, LONDON EC1N 2NE, ENGLAND, FORMERLY OF 7, ROLLS BUILDINGS, FETTER LANE, LONDON EC4N 1JB, ENGLAND.

Inventor : DAVID WILLIAM MILLER.

Application No. 2005/Cal/76 filed November 4, 1976.

Convention date November 7, 1975/46281/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A railway rail-fastening clip comprising a rod of resilient metal with a length less than 18 times its thickness which has been bent so as to have, progressing from one end of the rod to the other end, a first portion which starts at said one end of the rod and is a straight or nearly straight leg, then a second portion, then a third portion, then a fourth portion and finally a fifth portion which ends at said other end of the rod, these portions being such that, when the clip is in a particular position, the lowermost points on the opposite ends of the first portion are in the same horizontal plane as one another and the lowermost points on the third and fifth portions are in the same horizontal plane as one another, and the second portion, proceeding from the first portion to the third portion has a rising part followed by a falling part and when the clip is viewed from above the third and fifth portions appear to be on opposite sides of the axis of the first portion and when the clip is viewed in a horizontal direction parallel to a straight line passing through the lowermost points on the opposite ends of the first portion, said rising part of the second portion is seen to be inclined to the horizontal by, everywhere, less than 45°.

Comp. Specn. 15 Pages

Drg. 2 Sheets.

CLASS 61E.

147180

Int. Cl.-B01d 53/26.

APPARATUS FOR REDUCING CONCENTRATION OF WATER VAPOR IN A MIXTURE THEREOF WITH A SECOND GAS.

Applicant : PALL CORPORATION, OF 30 SEA CLIFF AVENUE, GLEN COVE, NEW YORK 11542, U.S.A.

Inventors : PAUL MICHAEL MCKEY AND NIELS CHRIS JENSEN JR.

Application No. 307/Del/77 filed October 11, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims

Apparatus for reducing concentration of water vapor in a mixture thereof with a second gas to below a limiting maximum concentration thereof in the second gas, comprising,

or combination, at least one vessel; a chamber therein for a bed of sorbent having a preferential affinity for the water vapor; an inlet to said vessel for introduction of influent gas containing moisture to be removed; a line for delivering affluent gas from an outlet end of said bed; probe means in the bed in a position to sample the gas for sensing of water vapor content thereof to detect substantially the leading edge of the concentration front of the water vapor at a predetermined point sufficiently far from the end of the bed to prevent the leading edge of the front from leaving the bed; sensor means in gaseous flow connection with the probe for sensing the concentration of water vapor, and giving a signal in response thereto, at such predetermined concentration of water vapor; means for closing off the influent flow of gas in response to the signal; a line connected to said inlet for delivering wet influent gas to the sensor means; valve means for closing off the line to flow of wet influent gas to the sensor means; means for opening the valve means from time to time to allow such flow to the sensor for determining the capability of the sensor means for detecting water vapor contained there; and means for signalling when the sensor does not sense as wet such wet influent gas.

Comp. Specn. 51 Pages.

Drg. 3 Sheets.

CLASS 24D₁ & D₂ 147181
Int. Cl.-B60t 15/52, 15/54, 15/56.

A QUICK RELEASE MECHANISM FOR USE IN A VACUUM BRAKE SYSTEM OF ROLLING STOCK.

Applicant & Inventor : ALBERT REX FERNANDEZ, C/O. RESEARCH DESIGNS & STANDARDS ORGANISATION, ALAMBAGH, LUCKNOW, INDIA.

Application No. 330/Del/77 filed October 19, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims

A quick release mechanism for use in a vacuum brake system having a main vacuum cylinder and an auxiliary reservoir characterized in that said mechanism comprises a valve housing with a valve seat for supporting a valve plate, said valve plate defining a first and second chamber within said housing, said chambers having a varying volume and being in flow communication with each other during a brake application and such as to allow the volume of the auxiliary chamber to form an aggregate with the volume of the main vacuum cylinder.

Comp. Specn. 12 Pages.

Drg. 2 Sheets.

CLASS 24D₁ & D₂ 147182
Int. Cl.-B60t 15/52, 15/54, 15/56.

A VACUUM BRAKE SYSTEM FOR ROLLING STOCK.

Applicant & Inventor : ALBERT REX FERNANDEZ, C/O. RESEARCH DESIGNS & STANDARDS ORGANISATION, ALAMBAGH, LUCKNOW, INDIA.

Application No. 331/Del/77 filed October 19, 1977.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims

A vacuum brake system for rolling stock comprising a vacuum cylinder having a piston to define an upper and lower chamber, said piston connected to a known braking mechanism, said lower chamber of the vacuum cylinder connected to the rolling stock pipe through a direct admission valve, characterized in that said upper chamber is connected to an auxiliary reservoir through a quick release mechanism only in the instance of brake application cycles.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS 154-H 147183
Int. Cl.-D06p 5/00.

"THE FLEXIBLE ELECTRICAL MAT HEATING SYSTEM".

Applicant & Inventor : DHARAMPAL SUNGER, 101, VISHAAL DHARAMRAJ CO-OPERATIVE HOUSING SOCIETY MARVF ROAD, MALAD-WEST, BOMBAY-400 064, INDIA.

Application No. 340/Bom/75 filed on 25 Nov, 1975.

Complete Specification left August 25, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims

A flexible electrical mat heating system for screen printing tables comprising a combination of : (i) a main switch (ii) a step-down transformer; (iii) a heat control switch; (iv) a flexible electrical heating mat woven from tin-plated copper wire in the warp acting as heating filament and cotton yarn in the weft acting as insulation for said heating filament and wherein the leads of said heating filament are connected to said transformer with two input leads drawn and left on the two ends of the circuited bands forming heating filament of said heating mat which is sandwiched between a heat insulating pad made from woolen felt or similar material forming a base for said mat and a cotton fabric covering forming top surface for said mat and said sandwich pad is spread over a screen printing table and enveloped by a water-proof fabric or similar water-proof non-elastic material; and (v) a thermostat switch provided for said heating mat of said sandwich pad for maintaining pre-set temperature constant throughout the surface of said printing table, the arrangement being such that the 440-Volt or 230-Volt electric current A-C source of supply is stepped down to less than 50-Volts supply for heating said mat of the screen printing table the entire length and width of said table is uniformly heated at pre-set controlled temperature upto 80°C for carrying out screen printing operation.

Provisional Specification—3 pages : Drawing Sheet—2 no.

Complete Specification—12 pages : Drawing Sheet—2 no.

CLASS 163 B2+3. 147184

I.C. F04c 5/00.

ROTARY FLUID PUMPS OF THE SLIDING VANE TYPE.

Applicant & Inventor : ASHOK SITARAM SAPRE, 39 ASHOK NAGAR, POONA-411 007, INDIA.

Application No. 68/Bom/76 filed on 28th Feb., 76.

Complete Specification left May 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Bombay Branch.

18 Claims

1. A rotary fluid pump of the sliding vane type comprising in combination a pumping element sandwiched between a body section and an endcover, the said pumping element comprising of a cylindrical rotor with plurality of equispaced substantially radial vanes rotatable therewith and slidable thereto in the slots provided in the said rotor, the outer ends of said vanes track against the inside periphery of a cam spring in the form of a continuous band of flexible and resilient material having a circular shape and disposed concentric over the rotor means acting on the said cam spring to displace four or more even numbers of equal sections, spaced equally, in radial directions with consecutive sections moving in opposite directions thereby altering the original circular contour, to an elliptical or a lobed contour, as the case may be having plurality of lap sections, and ramp sections, lap sections being those sections over which as the vane rides the latter undergoes negligible radial movement and ramp sections being those sections over which as the vane rides the latter undergoes radial movement equal to the difference of radial distance between the adjacent lap sections and outer rotor periphery; two cheek plates on either ends of the said pumping element closing the working cavity around the rotor and having through passages to connect the

working cavity with external connections in the said end cover and the said body of the pump.

Provisional specn. 11 pages, drawing 1 sheet.

Complete specn. 21 pages, drawing 2 sheets.

CLASS 123. 147185

"PULVERIZING PLANT FOR FARM WASTE".

Applicant: THE PRINCIPAL, SHRI SHIVAJI AGRICULTURE COLLEGE, SHIVAJI NAGAR, MORSHI ROAD, AMRAVATI-444603, INDIA.

Inventor: HIROJI BALIRAMJI ULEMALE.

Application No. 316/Bom/76 filed on 10-9-1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

Claim

Pulverizing plant for farm waste comprising a mechanical pulverizer, separate feeding arrangements for different types of material and elevator to carry the pulverized material to a separate chamber where water mixed with animal waste and other plant nutrients is sprayed on the pulverized material characterised in that the said mechanical pulverizer consists of a plurality of cutting blades, mounted on three axially provided plates, the said cutters or blades rotates at 3500 rpm with the help of 10 h.p. electric motor or such other prime mover, the said prime mover also rotates a blower of the elevator section, the entire plant is mounted on a wheeled trolley.

Complete specification—6 pages and Drawings—4 sheets.

CLASS 166A. 147186
Int. Cl.-B63b 35/30.

HOPPER BARGE HAVING A BOTTOM DISCHARGE OPENING CLOSED BY HOPPER DOORS.

Applicant: A VUYK & ZOMANS, SCHEEPSWERVEN B.V. NIJVER HEIDSTRAAT 120, NETHERLANDS.

Inventor: BARTELF VAN DER WERFF.

Application No. 36/Bom/76 filed on Nov. 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

7 Claims

A hopper barge comprising a hopper having at least one centre keelson box and at least one bottom discharge opening closable by at least one swivelling hopper door, as well as a control mechanism for swivelling the hopper door, characterised in that the control mechanism can also impose a translatory movement on the hopper door between a lower end position and a higher position, in which the hopper door is at least substantially positioned within the centre keelson box.

Complete Specification—15 pages; Drawings—5 Sheets.

CLASS 50B. 147187
Int. Cl.-F25d 17/00.

"IMPROVEMENTS IN OR RELATING TO TRICKLE PLATE STRUCTURES".

Applicant: BLACKE-RUHR AKTIENGESELLSCHAFT, 4030 RATINGEN, HOMBERGER STRASSE 2, GERMANY.

Inventors: (1) HERBERT HENNING AND (2) SIEGFRIED KLIFMANN.

Application No. 146/Bom/1978 filed May 10, 1978.

Divisional of 170/Bom/1977 filed on 20th May, 1977

Convention date 29th March, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims

A trickle plate structure wherein trickle plates carrying two or more liquid catching means at or adjacent a lower edge thereof, liquid trickled over both faces of the plate can be caught, are used, comprising two transverse supports carrying the two ends of a trickle plate assembly formed from a plurality of said trickle plates at least one support being provided with a water discharge channel to receive water from the water catching means of that assembly.

Complete Specification—6 pages and 5 Drawing Sheets.

CLASS 95C. 147188
Int. Cl.-F16b 2/12.

AN IMPROVEMENT IN OR RELATING TO A MACHINE VICE.

Applicant & Inventor: PUTTUR RANGASWAMY SRINIVASAN, NO. 6, BANGALORE CO-OPERATIVE INDUSTRIAL ESTATE LTD., OKALIPURAM, BANGALORE-560021, KARNATAKA, INDIA.

Application No. 42/Mas/78 filed March 23, 1978.

Complete Specification left August 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A machine vice comprising a fixed jaw and a movable jaw characterised by a clamp-down member having a tapering face disposed at an inclination to the direction of the clamping thrust, said member being provided at the rear of the movable jaw; and a curved member co-operating with the said tapering face, whereby the clamping thrust, whenever applied in a direction along the travel of the movable jaw, produces a clamp-down thrust component on the movable jaw counteracting its tendency to lift.

(Prov.—5 pages; Com.—7 pages; Drawing—one sheet)

OPPOSITION PROCEEDINGS

The opposition entered by Pulling & Lifting Machines Private Limited to the grant of a patent on application No. 124171 made by Tractel Tirfor India Private Limited as notified in Part III, Section 2 of the Gazette of India, dated the 18th March 1972 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

PATENT SEALED

141364 142979 145206 145926 146030 146147 146149 146179
146192 146198 146210 146211 146212 146227 146237 146238
146239 146240 146241 146243 146244 146245 146247 146250
146252 146260 146283 146284 146285 146300 146303 146304

AMENDMENT PROCEEDING UNDER SECTION 57

Notice is hereby given that Financial Mining-Industrial and Shipping Corporation, of 18-20 Sikelias St. Athen 404, Greece, a Greek Company, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 146268 for "Process for obtaining magnesite from gangue minerals". The amendments are by way of explanation, correction and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Chandra Bose Road, Calcutta—700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the

following cases. The number of each case is followed by the names of the parties claiming interests :—

136940... M/S. National Research Development Corporation of India.

PATENTS DECIDED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are decided to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

- 137621 (4-1-73) Process for preparing polymer.
 137738 (18-8-72) A process for the preparation of cycloaliphatic monoterpene alcohol.
 137992 (5-9-72) A process for producing metal such as aluminium and a cell therefor.
 138013 (9-5-73) A process for the preparation of new 2-chloro-4-alkylamino-(α , α -dimethyl β -acetylthylamino) 1, 3, 5-triazines.

RENEWAL FEES PAID

96510 96512 96816 97028 102428 102883 103084 107863
 107918 107958 108253 108265 108370 108637 110264 110337
 112597 113084 113381 113382 113652 116942 118379 118451
 118456 118458 118513 118558 118990 119080 123894 124006
 124008 124100 124330 124495 124560 125323 128008 128009
 128340 129127 129139 129162 129212 129260 129315 129378
 129612 130310 132812 133482 133483 133527 133595 133612
 133625 133717 133783 133928 133997 136032 136443 136486
 137049 137155 137289 137446 137470 137526 137686 137891
 138042 138644 138645 138650 138651 138733 138742 139014
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 142000 142418 142576 142808 143011 143067 143378 143391
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 144187 144246 144252 144292 144380 144384 144387 144391
 144393 144437 144448 144505 144510 144513 144667 144838
 144904 144982 145017 145024 145045 145094 145653 145804

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 123479 dated the 11th October 1968 made by Certels Limited on the 5th October 1978 and notified in the Gazette of India, Part III, Section 2 dated the 21st April 1979 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 139066 dated the 21st December 1973 made by Rohm and Haas Company on the 21st December 1978 and notified in the Gazette of India, Part III, Section 2 dated the 21st April 1979 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 141237 dated the 2nd January 1975 made by Dana Corporation on the 30th December 1978 and notified in the Gazette of India, Part III, Section 2 dated the 21st April 1979 has been allowed and the said patent restored.

Name Index of applicants for patents for the month of August 1979 (Nos. 798/Cal/79 to 912/Cal/79, 214/Bom/

79 to 247/Bom/79, 143/Mas/79 to 163/Mas/79 and 550/Del/79 to 618/Del/79).

Name Applicable No.

A

A. S. N. Foss Electric. -798/Cal/79.
 Aktiebolaget Iro. -870/Cal/79.
 Alcon Research and Development Ltd. -576/Del/79.
 American Home Products Corporation.—874/Cal/79.
 Anic S.p.A.—807/Cal/79.
 Applied Science Research Institute.—865/Cal/79
 Associated Cement Companies' Ltd., The.—217/Bom/79.
 Arulpragasam, A. R.—161/Mas/79.
 Associated Cement Companies' Ltd., The.—217/Bom/79.

B

B. F. Goodrich Company, The.—843/Cal/79.
 Babcock-Moxey Ltd.—561/Del/79.
 Bahl, R.—247/Bom/79.
 Bajpai, O. P.—147/Mas/79.
 Bandarkar, P. S.—225/Bom/79.
 Beyler, J.—611/Del/79.
 Bharat Heavy Electricals Ltd.—586/Del/79.
 Bhide, V. R.—567/Del/79.
 Bobkiewicz, E.—866/Cal/79.
 Bollmann, J. J.—820/Cal/79.
 Bracker, AG.—817/Cal/79.
 Brakes India Ltd.—143/Mas/79, 144/Mas/79.
 Bunker Ramo Corporation.—912/Cal/79.
 Burn Standard Company Limited.—822/Cal/79.
 Buzruk, P. S.—233/Bom/79.

C

CSR Limited.—812/Cal/79.
 Carrier Corporation.—597/Del/79.
 Chadha, V. S.—593/Del/79.
 Chief Controller of Research and Development.—565/Del/79, 566/Del/79.
 Ciba-Geigy AG.—594/Del/79.
 College of Agriculture.—234/Bom/79.
 Companhia De Gas De Sao Paulo Comgas.—888/Cal/79.
 Council of Scientific and Industrial Research.—553/Del/79, 554/Del/79, 555/Del/79, 556/Del/79, 557/Del/79, 585/Del/79, 587/Del/79, 588/Del/79, 589/Del/79, 590/Del/79, 599/Del/79.
 Crucible S. A.—591/Del/79.
 Cummins Engine Company, Inc.—818/Cal/79.

D

Daiichi Denshi Kogyo Kabushiki Kaisha.—800/Cal/79.
 Das, J.—222/Bom/79.
 D'Cruz, A. J.—232/Bom/79.
 Deckshattulu, B. L. (Dr.).—147/Mas/79.
 Deodhar, A. P.—223/Bom/79.
 Deutsche Gold Und Silber Scheideanstalt Vormalis Roessler.—849/Cal/79, 889/Cal/79, 890/Cal/79, 891/Cal/79, 892/Cal/79, 893/Cal/79, 894/Cal/79, 895/Cal/79, 896/Cal/79, 897/Cal/79, 898/Cal/79, 899/Cal/79, 900/Cal/79, 901/Cal/79, 910/Cal/79.

Name *Application No.*
 Diamond Shamrock Corporation.—821/Cal/79, 906/Cal/79.
 Director of the Central Council for Research in Ayurveda and Siddha, The.—568/Del/79.
 Director General, Cement Research Institute of India, The.—604/Del/79, 606/Del/79, 607/Del/79.
 Donetsk Filial Vsesojuznogo Nauchno-Issledovatel'skogo I Proekt'nogo Instituta Po Ochistke Tekhnologicheskikh Gazov, Stochnykh Vod I Ispolzovaniju Vtorichnykh Energoresursov Predpriyaty Chernoi Metalurgii.—868/Cal/79.
 Dunlop India Limited.—838/Cal/79.

E

Electric Furnace Company, The.—841/Cal/79.
 Elektrothermit GmbH.—847/Cal/79.
 Elliott Brother (London) Ltd.—575/Del/79.
 Empresa Nacional Siderurgica, S. A. (Ensidesa).—569/Del/79.
 Envirotech Corporation.—804/Cal/79.
 Escher Wyss Limited.—806/Cal/79.

F

Fabryka Pras Automatyecznych Ponar-Plasomat Zaklad Nr22HYDOMAT.—875/Cal/79.
 Fertilisers and Chemicals, Travancore Ltd., The.—152/Mas/79.
 Fertilizer (Planning & Development) India Ltd., The.—801/Cal/79, 905/Cal/79.
 Fives-Cail Babcock.—805/Cal/79, 883/Cal/79, 886/Cal/79, 887/Cal/79.
 Fletcher Sutcliffe Wild Limited.—595/Del/79.
 Franz Plasser Bahnbaumaschinen Industriegesellschaft m.b.H.—799/Cal/79.

G

Ganesan, R.—146/Mas/79.
 Garud Engineering Corporation.—831/Cal/79.
 Gaur, A. K.—578/Del/79.
 General Electric Company.—827/Cal/79.
 Godbole, A. R.—615/Del/79.
 Gupta, H. C.—240/Bom/79.
 Gupta, S. R.—(Dr.).—226/Bom/79.
 Gutehoffnungshutte Sterkrade Aktiengesellschaft.—802/Cal/79.
 Gwalior Rayon Silk Mfg. (Wvg.) Co., Ltd., The. (Pulp Division).—158/Mas/79.

H

Haideri, A. H.—215/Bom/79.
 Hambro Machinery Ltd.—551/Del/79.
 Hedge & Golay Ltd.—154/Mas/79.
 Hein Lehmann A. G.—903/Cal/79.
 Horizon Manufacturing Corporation.—880/Cal/79.

I

Imperial Chemical Industries Ltd.—571/Del/79.
 Indian Drugs and Pharmaceuticals Ltd.—552/Del/79.
 Indicarb Limited.—153/Mas/79.
 Institute PO Tzvetna Metalurgia.—835/Cal/79.
 Iyer, S. G.—149/Mas/79, 150/Mas/79, 157/Mas/79.

Name *Application No.*
 J

Jain, K. C.—600/Del/79.
 Jain, P. C.—600/Del/79.
 Johnson, Matthey & Co., Ltd.—550/Del/79.
 Joshi, G.—221/Bom/79.
 Jyoti Ltd.—239/Bom/79.

K

Kanetsu Kogyo Kabushiki Kaisha.—879/Cal/79.
 Kaustubhan, B. S.—156/Mas/79.
 Kenrich Petrochemicals, Inc.—584/Del/79.
 Kesavan, P.—158/Mas/79.
 Khanderia, A. V.—145/Mas/79.
 Kirloskar Brothers Ltd.—229/Bom/79.
 Klay, E.—611/Del/79.
 Krauss-Maffei AG.—908/Cal/79.
 Kudale, A. L.—218/Bom/79.
 Kulkarni, P. K.—246/Bom/79.
 Kulkarni, V. P.—246/Bom/79.
 Kumaiai Chemical Industry Co., Ltd.—864/Cal/79.

L

Lathkar, S. B.—228/Bom/79.
 Leningradsky Politekhichesky Institut.—803/Cal/79.
 Lin PAC Closures & Cans Limited.—828/Cal/79.
 Lucas Industries Limited.—813/Cal/79, 876/Cal/79, 880/Cal/79, 148/Mas/79, 162/Mas/79.

M

Majumder, B.—878/Cal/79.
 Marley Company, The.—848/Cal/79.
 Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft.—851/Cal/79, 862/Cal/79.
 Maschinenfabrik Buckau R. Wolf Aktiengesellschaft.—909/Cal/79.
 Maschinenfabrik Rieter A.G.—823/Cal/79, 829/Cal/79, 856/Cal/79.
 Meghalaya Phytochemicals Ltd.—885/Cal/79.
 Metallgesellschaft A.G.—863/Cal/79, 911/Cal/79.
 Micafil Ltd.—882/Cal/79.
 Midrex Corporation.—839/Cal/79.
 Miklavcic, J.—854/Cal/79.
 Mishra, M. K.—564/Del/79.
 Mishra, R. K.—564/Del/79.
 Mitsui Toatsu Chemicals, Inc.—833/Cal/79, 834/Cal/79.
 Montedison S.p.A.—869/Cal/79.
 Mukherjee, C. R.—850/Cal/79.
 Mukherjee, S.—216/Bom/79.

N

Newport Pharmaceuticals International, Inc.—617/Del/79, 618/Del/79.
 Noren, S. A.—577/Del/79.

O

Orissa Cement Limited.—844/Cal/79, 845/Cal/79, 860/Cal/79.

<i>Name</i>	<i>Application No.</i>	<i>Name</i>	<i>Application No.</i>
<i>P</i>			
Palani, N.—155/Mas/79.		Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.p.A.—842/Cal/79.	
Panday, R. N.—881/Cal/79.		Societe Internationale De Mecanique Industrielle S.A.—609/Del/79.	
Pandian, P. C.—608/Del/79.		Societe Nationale Industrielle Aerospatiale.—592/Del/79.	
Parikh, R. T.—227/Bom/79.		Societe Trasen.—832/Cal/79.	
Patel, N. J.—230/Bom/79.		Solent & Pratt (Engineering) Ltd.—616/Del/79.	
Patel, R. A.—245/Bom/79.		Soni, M. P.—582/Del/79.	
Patel, R. H.—245/Bom/79.		Srivastava, M. K.—563/Del/79.	
Patel, S. P.—245/Bom/79.		Srivastava, S. K. (Dr.).—605/Del/79.	
Patil, Y. P.—220/Bom/79.		Stamcarbon B. V.—830/Cal/79.	
Petrocarbon Developments Limited.—857/Cal/79.		Standard Oil Company, The.—602/Del/79.	
Photon Power, Inc.—560/Del/79.		Stork Brabant B. V.—861/Cal/79.	
Pilkington Brothers Limited.—852/Cal/79, 853/Cal/79.		Svenska Rotor Maskiner Aktiebolag.—613/Del/79.	
Pressure Cookers & Appliances Limited.—231/Bom/79.		Swayat Alums.—163/Mas/79.	
Propeller Design Limited.—907/Cal/79.		Swiss Aluminium Ltd.—814/Cal/79, 815/Cal/79.	
<i>Q</i>		<i>T</i>	
Q. Corporation.—574/Del/79.		Tata Iron & Steel Company Limited, The.—904/Cal/79.	
<i>R</i>		Telefonaktiebolaget L/M Ericsson.—610/Del/79.	
Rajendran, A. (Mrs.).—224/Bom/79.		Tractel S. A.—570/Del/79.	
Rajendran, R. (Miss).—224/Bom/79.		Trutzschler gmbh & Company, KG.—902/Cal/79.	
Ramachandran, K.—160/Mas/79.		<i>U</i>	
Ramaiah, N. A.—(Dr.).—605/Del/79.		Uop Inc.—572/Del/79.	
Rao, K. M. M. (Wg. Cdr.).—147/Mas/79.		USM Corporation.—583/Del/79.	
Rao, K. R.—147/Mas/79.		Union Carbide Corporation.—596/Del/79, 601/Cal/79, 825/Cal/79, 826/Cal/79.	
Rathi, M. L.—235/Bom/79, 236/Bom/79.		United Technologies Corporation.—809/Cal/79.	
Rediffusion Advertising Private Ltd.—242/Bom/79, 243/Bom/79, 244/Bom/79.		Upjohn Company, The.—816/Cal/79.	
Rex-Rotary International Corporation A.S.—558/Del/79.		<i>V</i>	
Rhone-Poulenc Industries.—846/Cal/79.		VEB Gaskombinat Schwarze Pumpe.—811/Cal/79.	
Rishiraj, I.—573/Del/79.		Vadodaria, R. B.—227/Bom/79.	
Ruhrchemie Aktiengesellschaft.—562/Del/79.		Vidya, J. G.—219/Bom/79.	
<i>S</i>		Vincent, Y.—159/Mas/79.	
Saha, R. M.—836/Cal/79.		Voeest-Alpine Aktiengesellschaft.—810/Cal/79, 871/Cal/79.	
Sambamurty, Y.—147/Mas/79.		Vsesojuzny Nauchno-Issledovatel'sky Institut Tekhnicheskogo Ugleroda.—837/Cal/79.	
Santal Effuipamentos S.A. Comercio E Industrial.—598/Del/79.		<i>W</i>	
Sathe Biscuit and Chocolate Co. Ltd.—237/Bom/79.		Western States Machine Company, The.—808/Cal/79.	
Savia Research Centre.—241/Bom/79.		Westinghouse Electric Corporation.—855/Cal/79, 858/Cal/79, 859/Cal/79, 872/Cal/79.	
Searle India Limited.—214/Bom/79.		West's Pyro Limited.—840/Cal/79.	
Schering Aktiengesellschaft.—603/Del/79.		<i>Z</i>	
Shelvoke and Drewary Limited.—824/Cal/79.		Zaheeruddeen, R. S.—151/Mas/79.	
Siemens Aktiengesellschaft.—819/Cal/79.		Zupancic, V.—854/Cal/79.	
Silver Seiko Ltd.—867/Cal/79, 877/Cal/79.			
Singh, R.—614/Del/79.			
Singhania, D. N.—579/Del/79, 580/Del/79, 581/Del/79.			
Sintokogio Ltd.—873/Cal/79.			
Skjervold, H.—612/Del/79.			
Smithkline Corporation.—559/Del/79.			

S. VEDARAMAN,
Controller-General of Patents,
Designs and Trade Marks.